|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table S7. Correlation with 13 kDa prolamin genes | | | | | | | |  |  |
| **No** | **Gene ID** | **Name** | **Description** | **BINcode** | | **Function** | **Cluster** | **Correlation with prolamin gene (I r I ≥ 0.7)** | |
| ***Positive correlation gene*** | **Negative correlation gene** |
| 1 | Os07g0419300 |  | Similar to Thaumatin-like protein | 20 | 20.1 | Stress.biotic | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 2 | Os03g0276500 | OsHsp71.1 | Similar to Heat shock protein 70 | 20 | 20.2.1 | Stress | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 3 | Os05g0460000 | OsctHSP70-1 | Similar to 70 kDa heat shock cognate protein 1 | 20 | 20.2.1 | Stress | Cluster 1 | *Pro13a.3, Pro13b.5* |  |
| 4 | Os10g0392600 | OsSPX3 | SPX domain-containing protein%2C Negative regulation of phosphate signaling%2C Pi homeostasi | 20 | 20.2 | Stress.abiotic | Cluster 1 | *Pro13a.3* |  |
| 5 | Os04g0173800 |  | Lectin precursor (Agglutinin) | 20 | 20.1 | Stress.biotic | Cluster 1 | *Pro13a.3* |  |
| 6 | Os05g0519700 | HSP101 | Heat shock protein%2C Long-term acquired thermotoleranc | 20 | 20.2.1 | Stress | Cluster 1 | *Pro13b.5* |  |
| 7 | Os01g0840100 | OsMed37\_1 | Heat shock protein Hsp70 family protein | 20 | 20.2.1 | Stress | Cluster 1 | *Pro13a.3, Pro13b.5* |  |
| 8 | Os06g0513050 | OsTHI3 | Conserved hypothetical protein | 20 | 20.1 | Stress.biotic | Cluster 1 | *Pro13b.5* |  |
| 9 | Os06g0514100 | Osthi7 | Conserved hypothetical protein | 20 | 20.1 | Stress.biotic | Cluster 1 | *Pro13b.5* |  |
| 10 | Os02g0134200 | OsSGL | DUF1645 family protein%2C Regulation of stress-tolerance and grain lengt | 20 | 20 | Stress | Cluster 1 | *Pro13a.3, Pro13b.6, Pro13b.14* |  |
| 11 | Os07g0107300 |  | Plant disease resistance response protein family protein | 20 | 20.1.7 | Stress.biotic.PR-proteins | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 12 | Os03g0293000 | OsERdj3A | Similar to DnaJ domain containing protein%2C expressed | 20 | 20.2.1 | Stress | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13 Pro13b.17, Pro13b.19* |  |
| 13 | ENSRNA049470806 | U1 | U1 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.16, Pro13b.18, Pro13b.22* |  |
| 14 | Os08g0546800 | OsHsfB2b | SD17:D154imilar to Heat stress transcription factor B-2b | 27 | 27.3.23 | RNA.regulation of transcription.HSF,Heat-shock transcription factor family | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 15 | ENSRNA049473876 | snoZ103 | Small nucleolar RNA Z103 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 16 | Os04g0682400 |  | Similar to H0124B04.13 protein | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.6, Pro13b.10* |  |
| 17 | ENSRNA049474010 | MIR171\_1 | microRNA MIR171\_1 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.9, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19, Pro13b.20* |  |
| 18 | ENSRNA049474061 | U5 | U5 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.19* |  |
| 19 | ENSRNA049476188 | snoZ242 | Small nucleolar RNA Z242 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.5, Pro13b.9, Pro13b.14, Pro13b.17, Pro13b.19, Pro13b.20* |  |
| 20 | ENSRNA049476293 | snoZ242 | Small nucleolar RNA Z242 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* |  |
| 22 | ENSRNA049467463 | U2 | U2 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19* |  |
| 23 | ENSRNA050013643 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.3* |  |
| 25 | ENSRNA049472320 | U2 | U2 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.10* |  |
| 26 | ENSRNA049469003 | snoR44\_J54 | Small nucleolar RNA R44/J54/Z268 family | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.5* |  |
| 28 | ENSRNA049468126 | snoR44\_J54 | Small nucleolar RNA R44/J54/Z268 family | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.6* |  |
| 29 | ENSRNA049473620 | SNORD25 | Small nucleolar RNA SNORD25 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.5, Pro13b.17* |  |
| 30 | ENSRNA049476404 | snoZ266 | Small nucleolar RNA Z266 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19, Pro 13b.20* |  |
| 31 | ENSRNA050013667 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.5* |  |
| 32 | Os12g0583700 | RZF71 | Zinc finger%2C C2H2-type domain containing protein | 27 | 27.3.11 | RNA.regulation of transcription.C2H2 zinc finger family | Cluster 1 | *Pro13a.3, Pro13b.10* |  |
| 33 | ENSRNA049470113 | snoR117 | small nucleolar RNA snoR117 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.5* |  |
| 34 | ENSRNA049470425 | U54 | Small nucleolar RNA U54 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.1, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.21* |  |
| 35 | ENSRNA049469812 | U2 | U2 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* |  |
| 36 | ENSRNA049467742 | MIR1428 | microRNA MIR1428 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3* |  |
| 37 | ENSRNA049467714 | snoR134 | small nucleolar RNA snoR134 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 38 | Os02g0685200 | OsMyb1R | MYB transcription factor%2C Transcriptional activator in mediating stress and rhythm responsivegene expressio | 27 | 27.3.26 | RNA.regulation of transcription.MYB-related transcription factor family | Cluster 1 | *Pro13a.3, Pro13b.10* |  |
| 39 | ENSRNA049473879 | snoZ103 | Small nucleolar RNA Z103 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3* |  |
| 40 | Os07g0633200 |  | Similar to SC35-like splicing factor SCL30a%2C 30a kD | 27 | 27.1.1 | RNA.processing.splicing | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.19* |  |
| 41 | ENSRNA050013672 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.5, Pro13b.17* |  |
| 42 | Os09g0538000 | OsRNS5 | Ribonuclease T2 family protein | 27 | 27.1.19 | RNA.processing.ribonucleases | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19* |  |
| 46 | Os08g0112700 | OsMADS26 | MADS-box transcription factor%2C Regulator of both biotic and abiotic stress response | 27 | 27.3.24 | RNA.regulation of transcription.MADS box transcription factor family | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.19* |  |
| 47 | ENSRNA049473223 | SNORD14 | Small nucleolar RNA SNORD14 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.5* |  |
| 48 | ENSRNA049467377 | U5 | U5 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.18, Pro13b.22* |  |
| 49 | Os04g0583900 | OsLHY | Similar to LHY protein | 27 | 27.3.26 | RNA.regulation of transcription.MYB-related transcription factor family | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.19* |  |
| 50 | ENSRNA049472132 | snoZ199 | Small nucleolar RNA Z199 | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13a.3* |  |
| 51 | ENSRNA050013668 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 1 | *Pro13b.5* |  |
| 52 | Os08g0157600 | OsCCA1 | MYB transcription factor%2C Circadian cloc | 27 | 27.3.26 | RNA.regulation of transcription.MYB-related transcription factor family | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 53 | Os06g0197575 |  | Similar to Chaperonin | 29 | 29.6 | Protein.folding | Cluster 1 | *Pro13b.5* |  |
| 54 | EPlORYSAT000373805 | tRNA-Val (UAC) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 55 | Os02g0102900 | OsCPn60beta2 | Similar to RuBisCO subunit binding-protein beta subunit%2C chloroplast (60 kDa chaperonin beta subunit) (CPN-60 beta) (Fragment) | 29 | 29.6 | Protein.folding | Cluster 1 | *Pro13b.18, Pro13b.22* |  |
| 56 | Os02g0322400 |  | Similar to NPKL2 (Fragment) | 29 | 29.4 | Protein.postranslational modification | Cluster 1 | *Pro13a.3, Pro13b.6* |  |
| 57 | Os01g0958200 |  | Curculin-like (mannose-binding) lectin domain containing protein | 29 | 29.4 | Protein.postranslational modification | Cluster 1 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* |  |
| 58 | Os08g0382400 | OsCYP38 | Peptidyl-prolyl cis-trans isomerase%2C cyclophilin-type domain containing protein | 29 | 29.6 | Protein.folding | Cluster 1 | *Pro13b.5, Pro13b.10* |  |
| 59 | Os04g0450900 |  | Protein kinase PKN/PRK1%2C effector domain containing protein | 29 | 29.4 | Protein.postranslational modification | Cluster 1 | *Pro13a.3* |  |
| 60 | EPlORYSAT000373848 | tRNA-His (GUG) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 1 | *Pro13b.1, Pro13b.3, Pro13b.16, Pro13b.18, Pro13b.22* |  |
| 61 | Os03g0262200 |  | Similar to predicted protein | 29 | 29.4 | Protein.postranslational modification | Cluster 1 | *Pro13b.18, Pro13b.22* |  |
| 63 | Os09g0552900 | OsNAC110 | Similar to NAC domain protein%2C IPR003441 | 27 | 27.3 | NAC transcription factor | Cluster 1 | *Pro13a.3* |  |
| 64 | Os01g0761400 |  | TGF-beta receptor%2C type I/II extracellular region family protein | 34 | 34.13 | transport.peptides and oligopeptides | Cluster 1 | *Pro13b.18, Pro13b.22* |  |
| 65 | Os06g0184766 |  | Hypothetical conserved gene | 34 | 34.16 | Transport.ABC transporters and multidrug resistance systems | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 66 | Os09g0512700 | NEF | Armadillo-like helical domain containing protein | 34 | 34 | Transport | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 67 | Os01g0593700 | OsSultr3 | Sulphate transporter domain containing protein | 34 | 34.6 | Transport sulphate | Cluster 1 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* |  |
| 68 | Os01g0825800 | OsATL7 | Amino acid transporter%2C transmembrane domain containing protein | 34 | 34.3 | Transport.amino acids | Cluster 1 | *Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19* |  |
| 69 | Os02g0226350 |  | Non-protein coding transcript | 34 | 34.9 | Transport.metabolite transporters at the mitochondrial membrane | Cluster 1 | *Pro13a.3, Pro13b.5, Pro13b.10* |  |
| 70 | Os07g0448400 | OsPIP2 | Similar to Aquaporin PIP2-5 | 34 | 34.19.1 | Transport.Major Intrinsic Proteins.PIP | Cluster 1 | *Pro13b.16, Pro13b.18, Pro13b.22* |  |
| 72 | Os08g0518800 | OsGH | Similar to Class III chitinase homologu | 20 | 20.1 | Stress.biotic | Cluster 2 |  | Pro13b.5, Pro13b.10 |
| 73 | Os06g0513943 | OsTHI6 | Conserved hypothetical protein | 20 | 20.1 | Stress.biotic | Cluster 2 |  | Pro13b.1, Pro13b.3, Pro13b.16, Pro13b.18, Pro13b.22 |
| 74 | Os03g0726300 | OsOSCA2.3 | Protein of unknown function DUF221 domain containing protein | 20 | 20.2.3 | Stress.abiotic.drought/salt | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.9, Pro13b.10, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.17, Pro13b.19, Pro13b.20, Pro13b.21 |
| 75 | Os06g0197550 |  | Similar to Chaperonin | 20 | 20.2 | Stress.abiotic | Cluster 2 |  | Pro13a.3, Pro13b.1, Pro13b.9, Pro13b.10, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.17, Pro13b.19, Pro13b.20, Pro13b.21 |
| 76 | ENSRNA049475950 | snoR135 | small nucleolar RNA snoR135 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.1, Pro13b.3, Pro13b.6 |
| 77 | ENSRNA049473172 | SNORD14 | Small nucleolar RNA SNORD14 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.5, Pro13b.10 |
| 78 | ENSRNA049473908 | snoR134 | small nucleolar RNA snoR134 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.9, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19, Pro13b.20 |
| 79 | ENSRNA049473164 | SNORD14 | Small nucleolar RNA SNORD14 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.5, Pro13b.10 |
| 80 | ENSRNA049470992 | snoZ221\_snoR21b | Small nucleolar RNA Z221/R21b | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19 |
| 81 | ENSRNA049468467 | MIR820 | microRNA MIR820 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.5, Pro13b.10 |
| 83 | ENSRNA049472073 | snoZ118 | Small nucleolar RNA Z118/Z121/Z120 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.3, Pro13b.6 |
| 85 | ENSRNA049472195 | snoZ118 | Small nucleolar RNA Z118/Z121/Z120 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3, Pro13b.6, Pro13b.14, Pro13b.21 |
| 86 | ENSRNA049468709 | snoR134 | small nucleolar RNA snoR134 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3 |
| 87 | ENSRNA049473887 | snoZ103 | Small nucleolar RNA Z103 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22 |
| 88 | Os06g0558766 |  | Similar to predicted protein | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 89 | ENSRNA050013642 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 90 | ENSRNA049472947 | SNORD24 | Small nucleolar RNA SNORD24 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.3 |
| 91 | Os01g0702900 |  | Similar to Sucrose-phosphate synthase (EC 2.4.1.14) | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.3, Pro13b.6 |
| 92 | Os02g0152800 | RPB1 |  | 27 | 27.2 | RNA.transcription | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 93 | ENSRNA049468767 | MIR820 | microRNA MIR820 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3 |
| 95 | ENSRNA049476411 | snoZ266 |  | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.14 |
| 96 | ENSRNA049465412 | snoR60 | Small nucleolar RNA snoR60 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.17, Pro13b.19, Pro13b.20, Pro13b.21 |
| 97 | ENSRNA049471778 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3 |
| 98 | Os01g0733200 | OsHsfC1b | Similar to Heat shock transcription factor 29 (Fragment) | 27 | 27.3.23 | RNA.regulation of transcription.HSF,Heat-shock transcription factor family | Cluster 2 |  | Pro13b.5, Pro13b.10 |
| 99 | Os01g0971800 | OsPCL1 | Transcription factor with a GARP DNA-binding domain%2C Photoperiodic control of flowering time%2C Clock associated-componen | 27 | 27.3.20 | RNA.regulation of transcription.G2-like transcription factor family, GARP | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 100 | ENSRNA049467117 | mir-166 | mir-166 microRNA precursor | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3 |
| 101 | ENSRNA049472003 | snoZ118 | Small nucleolar RNA Z118/Z121/Z120 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 102 | ENSRNA049471381 | MIR159 | microRNA MIR159 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.17, Pro13b.20 |
| 104 | ENSRNA049473128 | SNORD14 | Small nucleolar RNA SNORD14 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.3 |
| 105 | ENSRNA049475720 | U54 | Small nucleolar RNA U54 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10 |
| 106 | ENSRNA050013650 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13a.3 |
| 107 | ENSRNA049472907 | SNORD14 | Small nucleolar RNA SNORD14 | 27 | 27.1 | RNA.processing | Cluster 2 |  | Pro13b.3 |
| 108 | ENSRNA049447972 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 109 | ENSRNA049449267 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 110 | ENSRNA049445376 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 111 | EPlORYSAT000373795 | tRNA-Thr (GGU) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.9, Pro13b.10, Pro13b.13,Pro13b.14, Pro13b.17, Pro13b.19, Pro13b.20, Pro13b.21 |
| 112 | ENSRNA049448151 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 113 | Os10g0456800 | DCA1 | CHY zinc finger protein%2C Transcriptional co-activator of DST (Drought and Salt Tolerance: zinc finger transcription factor gene)%2C Drought and salt tolerance%2C Stomatal aperture contro | 29 | 29.5.11.4.2 | Protein.degradation.ubiquitin.E3.RING | Cluster 2 |  | Pro13a.3, Pro13b.5 |
| 114 | Os04g0538166 |  | Similar to Elongation factor G%2C chloroplastic | 29 | 29.2.4 | Protein.synthesis.elongation | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 115 | ENSRNA049445795 | tRNA-Gln | tRNA-Gln for anticodon CUG | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 116 | EPlORYSAT000373835 | tRNA-Arg (UCU) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 117 | Os01g0148000 |  | E3 ubiquitin-protein ligase | 29 | 29.5.11 | Protein degradation ubiquitin | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19 |
| 118 | ENSRNA049447201 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 119 | Os12g0586100 | SAPK9 | Serine/threonine protein kinase%2C Abscisic acid (ABA)-activated protein kinase%2C Hyperosmotic stress response%2C ABA signal transductio | 29 | 29.4 | Protein.postranslational modification | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 120 | Os09g0252700 |  | Similar to E3 ubiquitin protein ligase UPL1 (EC 6.3.2.-) (Ubiquitin-protein ligase 1) | 29 | 29.5 | Protein.degradation | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 121 | ENSRNA049446836 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 122 | Os03g0117100 | PEX11-1 | Peroxisomal protein%2C Response to salt and low nitrogen stresse | 29 | 29.3.5 | Protein.targeting.peroxisomes | Cluster 2 |  | Pro13b.5 |
| 123 | Os07g0203275 |  | Ribosomal protein S1%2C RNA-binding domain domain containing protein | 29 | 29.2.1 | Protein.synthesis\_ribosomal protein | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 124 | ENSRNA049449660 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 125 | Os07g0179700 | DUF239 | Hypothetical conserved gene | 29 | 29.5 | Protein.degradation | Cluster 2 |  | Pro13a.3 |
| 126 | Os05g0433100 |  | Similar to Serine/threonine-protein kinase SAPK4 | 29 | 29.4 | Protein.postranslational modification | Cluster 2 |  | Pro13a.3, Pro13b.14, Pro13b.19 |
| 127 | EPlORYSAT000373615 | trnR | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 128 | ENSRNA049449070 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 129 | ENSRNA049445384 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 130 | ENSRNA049449035 | tRNA-Trp | tRNA-Trp for anticodon CCA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 2 |  | Pro13a.3 |
| 131 | Os09g0294300 | OsUBC40 | Ubiquitin-conjugating enzyme/RWD-like domain containing protein | 29 | 29.5.11.3 | Protein.degradation.ubiquitin.E2 | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10 |
| 132 | Os11g0547000 | FKF1 | Autonomous floral activator%2C Promotion of flowerin | 29 | 29.5.11.4.3.2 | Protein.degradation.ubiquitin.E3.SCF.FBOX | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 133 | Os03g0765400 |  | Similar to nucleoporin p58/p45 | 29 | 29.3.1 | Protein.targeting.nucleus | Cluster 2 |  | Pro13b.5 |
| 134 | Os05g0535800 |  | Similar to F14O23.10 protein | 29 | 29.2.1.1.3.1.1 | Protein.synthesis.ribosomal protein.prokaryotic.unknown organellar.30S subunit.S1 | Cluster 2 |  | Pro13b.1, Pro13b.9, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22 |
| 135 | Os07g0523400 | OsGPT2-3 | Glucose-6-phosphate/phosphate-translocator precursor | 34 | 34.8 | Transport.metabolite transporters at the envelope membrane | Cluster 2 |  | Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 136 | Os07g0523965 |  | Similar to Glucose-6-phosphate/phosphate-translocator precursor | 34 | 34.8 | Transport.metabolite transporters at the envelope membrane | Cluster 2 |  | Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 137 | Os04g0681600 |  | Protein of unknown function DUF580 family protein | 34 | 34.99 | Transport.misc | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19 |
| 138 | Os07g0155600 | EIN2 | Nramp ion-transporter family protein%2C Ethylene signaling pathwa | 34 | 34.12 | Transport.metal | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 139 | Os04g0659800 | OsAAP7B | Similar to OSIGBa0132E09-OSIGBa0108L24.20 protein | 34 | 34.3 | Transport.amino acids | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.19 |
| 140 | Os01g0872100 |  | TGF-beta receptor%2C type I/II extracellular region family protein | 34 | 34.13 | Transport.peptides and oligopeptides | Cluster 2 |  | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 141 | Os08g0207500 | OsZIP4 | Similar to Zinc transporter ZIP1 (Fragment) | 34 | 34.12 | Transport.metal | Cluster 2 |  | Pro13b.10 |
| 142 | Os05g0156900 | Chalk5 | Vacuolar H+-translocating pyrophosphatase%2C Regulation of grain chalkines | 34 | 34.3 | Transport.amino acids | Cluster 2 |  | Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.18, Pro13b.21, Pro13b.22 |
| 143 | Os07g0523600 | OsGPT2 | Similar to Glucose-6-phosphate/phosphate-translocator precursor | 34 | 34.8 | Transport.metabolite transporters at the envelope membrane | Cluster 2 |  | Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 144 | Os04g0675400 | OsDjC45 | Similar to Chaperone protein dnaJ | 20 | 20.2.1 | Stress | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.5, Pro13b.9,Pro13b.10, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.17, Pro13b.19, Pro13b.20, Pro13b.21 |
| 145 | Os03g0245800 | OsHSP26 | Similar to Heat shock protein 26 | 20 | 20.2.1 | Stress | Cluster 3 | *Pro13a.1* |  |
| 146 | Os04g0445100 | HSP22a | Similar to 22.7 kDa class IV heat shock protein precursor | 20 | 20.2.1 | Stress | Cluster 3 | *Pro13a.1* | Pro13b.10, pro13b.13 |
| 147 | Os11g0244200 | HSP20 | Similar to Pisum sativum 17.9 kDa heat shock protein (hsp17.9) (Fragment) | 20 | 20.2 | Stress.abiotic | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 148 | Os04g0107900 | Hsp90 | Similar to Heat shock protein 82 | 20 | 20.2.1 | Stress | Cluster 3 | *Pro13a.1* |  |
| 149 | Os03g0776900 | OsDjC35 | Similar to mitochondrial import inner membrane translocase subunit TIM14 | 20 | 20.2.1 | Stress | Cluster 3 | *Pro13a.1* |  |
| 150 | Os03g0267200 | OsHsp17.7 | Low molecular mass heat shock protein Oshsp17.7 | 20 | 20.2.1 | Stress | Cluster 3 | *Pro13a.1* |  |
| 151 | ENSRNA049468908 | snoU31b | Small nucleolar RNA U31b | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 152 | Os03g0409400 | MOB1A | Similar to mps one binder kinase activator-like 1A | 27 | 27.3.99 | RNA.regulation of transcription.unclassified | Cluster 3 | *Pro13a.1* | Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19 |
| 153 | Os09g0417600 | WRKY76 | WRKY transcription factor%2C Transcriptional repressor%2C Pathogen defens | 27 | 27.3.32 | RNA.regulation of transcription.WRKY domain transcription factor family | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.5, Pro13b.9,Pro13b.10, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.17, Pro13b.19, Pro13b.20 |
| 154 | Os08g0508500 | JMJ717 | Similar to predicted protein | 27 | 27.3.57 | RNA.regulation of transcription.JUMONJI family | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19 |
| 155 | ENSRNA049464941 | snoR86 | Small nucleolar RNA snoR86 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 156 | ENSRNA049466121 | snoZ168 | Small nucleolar RNA Z168/Z174 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* |  |
| 157 | ENSRNA049468722 | snoZ223 | Small nucleolar RNA Z223 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 158 | ENSRNA049472231 | snoZ118 | Small nucleolar RNA Z118/Z121/Z120 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.21 |
| 159 | ENSRNA049473120 | snoU31b | Small nucleolar RNA U31b | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.21 |
| 160 | ENSRNA049470386 | snoZ278 | Small nucleolar RNA Z278 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 161 | ENSRNA049470195 | MIR171\_1 | microRNA MIR171\_1 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 162 | Os08g0243866 | CHR743 | Similar to chromatin remodeling complex subunit | 27 | 27.3.44 | RNA.regulation of transcription.Chromatin Remodeling Factors | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.5, Pro13b.10, Pro13b.13, Pro13b.17, Pro13b.19 |
| 163 | ENSRNA049465951 | snoZ169 | Small nucleolar RNA Z169 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.6, Pro13b.9, Pro13b.10, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.19 |
| 164 | ENSRNA049472208 | snoZ118 | Small nucleolar RNA Z118/Z121/Z120 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 166 | Os09g0528200 | Oshox6 | Similar to Homeobox-leucine zipper protein HOX6 | 27 | 27.3.22 | RNA.regulation of transcription.HB,Homeobox transcription factor family | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.5, Pro13b.9, Pro13b.10, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.17, Pro13b.19, Pro13b.20, Pro13b.21 |
| 167 | ENSRNA049472018 | snoR11 | Small nucleolar RNA R11/Z151 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 168 | ENSRNA049472690 | snoZ105 | Small nucleolar RNA Z105 | 27 | 27.1 | RNA.processing | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.19, Pro13b.20, Pro13b.21 |
| 169 | Os04g0684800 | OsUEV1D | Similar to CROC-1-like protein (Fragment) | 29 | 29.5.11.3 | Protein.degradation.ubiquitin.E2 | Cluster 3 | *Pro13a.1* | Pro13b.5, Pro13b.10, Pro13b.17, Pro13b.19 |
| 170 | Os12g0108500 | OsFbox636 | Similar to Leucine Rich Repeat family protein%2C expressed | 29 | 29.5.11.4.3.2 | Protein.degradation.ubiquitin.E3.SCF.FBOX | Cluster 3 | *Pro13a.1* |  |
| 171 | EPlORYSAT000373840 | tRNA-Asp (GUC) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 3 | *Pro13a.1* | Pro13b.13 |
| 172 | Os10g0156200 |  | Similar to Protein kinase domain containing protein | 29 | 29.4 | Protein.postranslational modification | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.5, Pro13b.9, Pro13b.10, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.17, Pro13b.19, Pro13b.20, Pro13b.21 |
| 173 | Os03g0764300 | OsMAPKKK18 | Serine/threonine protein kinase domain containing protein | 29 | 29.4 | Protein.postranslational modification | Cluster 3 | *Pro13a.1* | Pro13a.3, Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.19, Pro13b.20, Pro13b.21 |
| 174 | Os06g0664300 |  | Similar to Vacuolar sorting receptor 6 precursor (AtVSR6) (Epidermal growth factor receptor-like protein 6) (AtELP6) (BP80-like protein d) (AtBP80d) | 29 | 29.3.4.3 | Protein.targeting.secretory pathway.vacuole | Cluster 3 | *Pro13a.1* | Pro13b.10 |
| 176 | ENSRNA049476335 | snosnR60\_Z15 | Small nucleolar RNA snR60/Z15/Z230/Z193/J17 | 27 | 27.1 | RNA.processing | Cluster 4 | *Pro13b.6* | Pro13a.1 |
| 177 | ENSRNA049468200 | U1 | U1 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 4 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.1 |
| 178 | ENSRNA049473180 | SNORD14 | Small nucleolar RNA SNORD14 | 27 | 27.1 | RNA.processing | Cluster 4 | *Pro13b.6, Pro13b.14* | Pro13a.1 |
| 179 | ENSRNA049469734 | snoZ279\_R105\_R108 | Small nucleolar RNA Z279/snoR105/snoR108 | 27 | 27.1 | RNA.processing | Cluster 4 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.1 |
| 180 | Os04g0673300 | RR6 | A-type response regulator%2C Cytokinin signalin | 27 | 27.3.5 | RNA.regulation of transcription.ARR | Cluster 4 | *Pro13a.3, Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.14, Pro13b.16, Pro13b.21* | Pro13a.1 |
| 182 | ENSRNA050013666 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 4 | *Pro13a.3, Pro13b.6, Pro13b.10, Pro13b.14, Pro13b.17, Pro13b.19* | Pro13a.1 |
| 183 | Os12g0139400 | RR10 | A-type response regulator%2C Cytokinin signalin | 27 | 27.3.5 | RNA.regulation of transcription.ARR | Cluster 4 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.1 |
| 184 | ENSRNA050013661 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 4 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.1 |
| 185 | Os11g0111900 |  | BTB domain containing protein | 29 | 29.5.11.4.5.2 | Protein.degradation.ubiquitin.E3.BTB/POZ Cullin3.BTB/POZ | Cluster 4 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.21* | Pro13a.1 |
| 186 | EPlORYSAT000373619 | trnD | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 4 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.1 |
| 187 | Os02g0688800 |  | Non-protein coding transcript | 29 | 29.5.11.4.2 | Protein.degradation.ubiquitin.E3.RING | Cluster 4 | *Pro13a.3, Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.19, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.1 |
| 188 | Os12g0114100 | OsWNK8 | Similar to MAP kinase-like protein | 29 | 29.4 | Protein.postranslational modification | Cluster 4 | *Pro13b.3, Pro13b.6, Pro13b.14* | Pro13a.1 |
| 189 | Os12g0111500 |  | BTB domain containing protein | 29 | 29.5.11.4.5.2 | Protein.degradation.ubiquitin.E3.BTB/POZ Cullin3.BTB/POZ | Cluster 4 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.21* | Pro13a.1 |
| 190 | Os08g0104900 |  | Protein of unknown function DUF6%2C transmembrane domain containing protein | 34 | 34.8 | Transport.metabolite transporters at the envelope membrane | Cluster 4 | *Pro13a.3, Pro13b.3, Pro13b.6, Pro13b.14* | Pro13a.1 |
| 191 | Os02g0191300 | OsATL6 | Similar to Amino acid transporter-like protein | 34 | 34.3 | Transport.amino acids | Cluster 4 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.1 |
| 192 | ENSRNA049468027 | SNORD36 | Small nucleolar RNA SNORD36 | 27 | 27.1 | RNA.processing | Cluster 5 | *Pro13a.2* | Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22 |
| 193 | ENSRNA049465332 | U54 | Small nucleolar RNA U54 | 27 | 27.1 | RNA.processing | Cluster 5 | *Pro13a.2* | Pro13b.20 |
| 194 | ENSRNA049472543 | MIR1428 | microRNA MIR1428 | 27 | 27.1 | RNA.processing | Cluster 5 | *Pro13a.2* | Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22 |
| 195 | ENSRNA049473610 | SNORD25 | Small nucleolar RNA SNORD25 | 27 | 27.1 | RNA.processing | Cluster 5 | *Pro13a.2* |  |
| 196 | ENSRNA049471325 | snoZ102\_R77 | Small nucleolar RNA Z102/R77 | 27 | 27.1 | RNA.processing | Cluster 5 | *Pro13a.2* | Pro13b.20 |
| 197 | ENSRNA049473842 | snoZ266 | Small nucleolar RNA Z266 | 27 | 27.1 | RNA.processing | Cluster 5 | *Pro13a.2* |  |
| 198 | Os09g0444500 | OsBRXL5 | Similar to Protein Brevis radix-like 1 | 20 | 20 | Stress | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 199 | Os01g0606900 | OsDjC10 | Heat shock protein DnaJ%2C N-terminal domain containing protein | 20 | 20.2.1 | Stress.abiotic.heat | Cluster 6 | *Pro13b.18, Pro13b.22* | Pro13a.2 |
| 200 | ENSRNA049470973 | U12 | U12 minor spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 201 | ENSRNA049467734 | snoZ278 | Small nucleolar RNA Z278 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 202 | ENSRNA049471602 | Plant\_SRP | Plant signal recognition particle RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 203 | ENSRNA049464972 | snoR86 | Small nucleolar RNA snoR86 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 204 | ENSRNA050013664 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 205 | ENSRNA049473627 | SNORD25 | Small nucleolar RNA SNORD25 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 206 | ENSRNA049473918 | U1 | U1 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.18, Pro13b.22* | Pro13a.2 |
| 207 | ENSRNA049471032 | SNORD14 | Small nucleolar RNA SNORD14 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 208 | ENSRNA049469217 | U1 | U1 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 209 | ENSRNA049467928 | U1 | U1 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 210 | ENSRNA049473260 | U1 | U1 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.18, Pro13b.22* | Pro13a.2 |
| 211 | ENSRNA049475930 | snoZ159 | Small nucleolar RNA Z159/U59 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 212 | ENSRNA049466137 | snoZ163 | Small nucleolar RNA Z163/Z177 family | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 213 | ENSRNA050013646 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 214 | ENSRNA049471985 | snoZ118 | Small nucleolar RNA Z118/Z121/Z120 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 215 | ENSRNA049467441 | U2 | U2 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 216 | ENSRNA049468702 | U6 | U6 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 217 | ENSRNA049464985 | snoR86 | Small nucleolar RNA snoR86 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 218 | ENSRNA049475592 | U5 | U5 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.6, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 219 | ENSRNA049468154 | U4 | U4 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 220 | ENSRNA050013665 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 221 | ENSRNA049476340 | MIR171\_1 | microRNA MIR171\_1 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 222 | ENSRNA049466017 | snoZ168 | Small nucleolar RNA Z168/Z174 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.16, Pro13b.18, Pro13b.19, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 223 | ENSRNA049475575 | snoZ43 | Small nucleolar RNA Z43 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 224 | ENSRNA049470180 | U5 | U5 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 225 | ENSRNA049465003 | snoZ279\_R105\_R108 | Small nucleolar RNA Z279/snoR105/snoR108 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 226 | ENSRNA050013647 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 227 | ENSRNA049475834 | U6 | U6 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 228 | ENSRNA049465347 | U54 | Small nucleolar RNA U54 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 229 | ENSRNA049473437 | Plant\_U3 | Plant small nucleolar RNA U3 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 230 | ENSRNA049473899 | snoZ223 | Small nucleolar RNA Z223 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.18, Pro13b.20, Pro13b.22* | Pro13a.2 |
| 231 | ENSRNA049472089 | snoZ152 | Small nucleolar RNA Z152/R70/R12/ | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 232 | ENSRNA050013662 | Intron\_gpII | Group II catalytic intron | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.17, Pro13b.18, Pro13b.19, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 233 | ENSRNA049471546 | U4 | U4 spliceosomal RNA | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 234 | ENSRNA049476209 | Plant\_U3 | Plant small nucleolar RNA U3 | 27 | 27.1 | RNA.processing | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 235 | EPlORYSAT000373867 | tRNA-Pro (UGG) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.18, Pro13b.22* | Pro13a.2 |
| 236 | EPlORYSAT000373872 | tRNA-Ile (GAU) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.17, Pro13b.20, Pro13b.21* | Pro13a.2 |
| 237 | EPlORYSAT000373862 | tRNA-Ile (GAU) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.17, Pro13b.20, Pro13b.21* | Pro13a.2 |
| 238 | gene-rps1 |  | Ribosomal protein S1 | 29 | 29.2.1 | Protein.synthesis\_ribosomal protein | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 239 | EPlORYSAT000373829 | rRNA | rRNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 240 | ENSRNA049476508 | 5\_8S\_rRNA | 5.8S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 241 | ENSRNA049475677 | SSU\_rRNA\_eukarya | Eukaryotic small subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 242 | ENSRNA049475944 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 243 | ENSRNA049471090 | 5\_8S\_rRNA | 5.8S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 244 | ENSRNA049476452 | SSU\_rRNA\_eukarya | Eukaryotic small subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 245 | EPlORYSAT000373785 | tRNA-Ser (UGA) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 246 | ENSRNA049473335 | SSU\_rRNA\_eukarya | Eukaryotic small subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 247 | ENSRNA049476493 | 5\_8S\_rRNA | 5.8S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 248 | EPlORYSAT000373849 | rRNA | rRNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 249 | ENSRNA049466338 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 250 | ENSRNA050013645 | 5S\_rRNA | 5S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.5, Pro13b.13, Pro13b.17, Pro13b.19, Pro13b.20* | Pro13a.2 |
| 251 | ENSRNA049476498 | 5\_8S\_rRNA | 5.8S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 252 | ENSRNA049471043 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 253 | EPlORYSAT000373811 | rRNA | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 254 | ENSRNA049471102 | SSU\_rRNA\_eukarya | Eukaryotic small subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 255 | EPlORYSAT000373608 | rrn26 | rRNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 256 | ENSRNA049465309 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 257 | ENSRNA049468241 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 258 | EPlORYSAT000373810 | tRNA-Tyr (GUA) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 259 | ENSRNA049476502 | 5\_8S\_rRNA | 5.8S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 260 | EPlORYSAT000373839 | rRNA | rRNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 261 | gene-rpl36 |  | Large ribosomal subunit protein bL36c | 29 | 29.2.1 | Protein.synthesis\_ribosomal protein | Cluster 6 | *Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 262 | ENSRNA049474711 | 5S\_rRNA | 5S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 263 | ENSRNA049476430 | SSU\_rRNA\_eukarya | Eukaryotic small subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 264 | ENSRNA050013644 | 5S\_rRNA | 5S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.5, Pro13b.13, Pro13b.17, Pro13b.19, Pro13b.20* | Pro13a.2 |
| 265 | EPlORYSAT000373814 | tRNA-Ser (GCU) | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.1, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 266 | EPlORYSAT000373852 | rRNA | rRNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 267 | ENSRNA049468277 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 268 | EPlORYSAT000373647 | rrn18 | rRNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 269 | Os01g0937100 |  | Similar to Xylanase inhibitor precursor (Xylanase inhibitor TAXI-I) | 29 | 29.5.4 | Protein.degradation.aspartate protease | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 270 | ENSRNA049468231 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 271 | EPlORYSAT000373610 | pseudo-trnV | tRNA pseudogene | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.5* | Pro13a.2 |
| 272 | ENSRNA049476447 | SSU\_rRNA\_eukarya | Eukaryotic small subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 273 | ENSRNA049476514 | 5\_8S\_rRNA | 5.8S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 274 | ENSRNA049476444 | SSU\_rRNA\_eukarya | Eukaryotic small subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 275 | EPlORYSAT000373834 | rRNA | rRNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 276 | ENSRNA049475757 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 277 | EPlORYSAT000373657 | trnS | tRNA | 29 | 29.2.7 | Protein synthesis\_transfer RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 278 | ENSRNA049476437 | SSU\_rRNA\_eukarya | Eukaryotic small subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 279 | Os02g0563000 | OsKMD3 | Hypothetical conserved gene | 29 | 29.5.11.4.3.2 | Protein.degradation.ubiquitin.E3.SCF.FBOX | Cluster 6 | *Pro13b.5* | Pro13a.2 |
| 280 | ENSRNA049474050 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 281 | ENSRNA049475361 | 5S\_rRNA | 5S ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 282 | EPlORYSAT000373611 | rrn5 | rRNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 283 | Os12g0630600 |  | Carbohydrate/puine kinase%2C PfkB%2C conserved site containing protein | 29 | 29.2.1 | Protein.synthesis\_ribosomal protein | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 284 | ENSRNA049465125 | LSU\_rRNA\_eukarya | Eukaryotic large subunit ribosomal RNA | 29 | 29.2.6 | Protein synthesis-ribosomal RNA | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.13, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |
| 285 | Os07g0100800 | OsProT3 | Similar to Amino acid permease | 34 | 34.3 | Transport.amino acids | Cluster 6 | *Pro13b.1, Pro13b.3, Pro13b.9, Pro13b.11, Pro13b.12, Pro13b.14, Pro13b.16, Pro13b.18, Pro13b.20, Pro13b.21, Pro13b.22* | Pro13a.2 |